



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D350-822-011
Job Sheet 182593



Part No: D350-822-011

Job Qty: 1 ea

Part Name: PA100 PUREair System for AS350/EC130



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/28/18

Job Tracking No:

Due Date: 9/25/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D350-822 REV.H IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP REV:B 14.06.18 AS PER IIN
REV.C DD VERF:JLM IPP REV:C 15.06.03 AS PER IIN REV.D DD VERF:JLM IPP REV:C 18.07.11 AS PER
IIN REV.H DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	9/25/18	9/25/18	0.00	0.00	Start Up Stores/Pkg-1		SEP 22 2018
110	Packaging	1 pcs	9/25/18	9/25/18	0.00	0.00	Packaging1-4		SEP 22 2018
120	QC	1 pcs	9/25/18	9/25/18	0.00	0.00	QC4		SEP 22 2018
125	Outsource	1 pcs	9/25/18	9/25/18	0.00	0.00	Outsource10		SEP 22 2018
130	Packaging	1 pcs	9/25/18	9/25/18	0.00	0.00	Packaging3-1		SEP 22 2018
135	DC	1 pcs	9/25/18	9/25/18	0.00	0.00	DC		SEP 22 2018
140	QC21-FG	1 Ea	9/25/18	9/25/18	0.00	0.00	QC21		SEP 22 2018

Part Op 125 - Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD PO _____ (Send copy of PO to Pall
Descriptions: - James) Issue W/O LINE item for Pall for amount sold on sales order S/O _____ according to sales price see
Warran for amount. (if sale price is \$23,000 - amount is \$13,400) PO can be received immediately and given to finance in
order to close work order.
130 - Identify and pack for shipping as per PPP D350-822-011
135 - Photocopy bluefile & type labels per PPP D350-822-011 CHG004

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
650.0401	Pureair Fairing Assembly	1 Ea (1 ea)	90-Start up Operation	
9752100180	Gasket	1 Ea (1 ea)	90-Start up Operation	
9945000120	Gasket (for B3e models)	1 pcs (1 ea)	90-Start up Operation	
AN821-12J	Elbow (or AN821-12K or 12S)	2 Ea (2 ea)	90-Start up Operation	
AN929-12J	Cap	1 Ea (1 ea)	90-Start up Operation	
D4925-041	Mounting Plate Assembly	1 Ea (1 ea)	90-Start up Operation	
D4931-1	Engine Fitting (for acft models B2 & previous)	1 Ea (1 ea)	90-Start up Operation	
D4931-3	Engine Fitting (For B3 Models)	1 Ea (1 ea)	90-Start up Operation	
D4931-5	Engine Fitting (for B3e models)	1 Ea (1 ea)	90-Start up Operation	
D4935-1	Mounting Bracket	6 Ea (6 ea)	90-Start up Operation	
D4943-1	Flex Hose	1 Ea (1 ea)	90-Start up Operation	
D4961-041	Tube Assembly	1 Ea (1 ea)	90-Start up Operation	
D4961-043	Tube Assembly	1 Ea (1 ea)	90-Start up Operation	
D5079-1	Placard, Eaps	2 Ea (2 ea)	90-Start up Operation	
D5090-041	Duct Assembly	1 Ea (1 ea)	90-Start up Operation	
D5105-1	Handle	2 Ea (2 ea)	90-Start up Operation	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____

Work Order update only ☐

Work P. NC Date : DART Aerospace Ltd. 1270 Aberdeen Street Hawkebury, ON K6A 1K7 CANADA TEL : 1 813 632-5280 Email : sales@dartero.com www.dartaerospace.com Container No: S113221 Part: D350-822-011 Job No: 182593 Serial No/ Batch: S113221 Revision: H Inspector: Exp Date: Instructions: TC STC SH14-14 - Issue 2, EASA/STC SR03538NY 15/09/22, EASA	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐				
	#:		QTY Effective :			MRB (QSI042) Approval	
	er Deviation		Disposition			Completed By	
						Lead hand / Supervisor Approval Verification	
					QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :					
Misidentified ☐	Past Due ☐						

D5110-1	Swivel Nut Fitting	1 Ea (1 ea)	90-Start up Operation
D5179-1	Doubler	2 Ea (2 ea)	90-Start up Operation
D5179-3	Doubler	2 Ea (2 ea)	90-Start up Operation
D5194-1	Doubler	2 Ea (2 ea)	90-Start up Operation
D5208-041	Blanking Plate Assembly	3 Ea (3 ea)	90-Start up Operation
LN9038-05012	Bolt	36 pcs (36 ea)	90-Start up Operation
LN9038-05040	Bolt	1 pcs (1 ea)	90-Start up Operation
LN9348-05	Nut	32 pcs (32 ea)	90-Start up Operation
MS20470AD3-4	Rivet, Universal Head	18 Ea (18 ea)	90-Start up Operation
MS21919WCH12	Clamp	1 Ea (1 ea)	90-Start up Operation
MS9592-138	Bracket	1 pcs (1 ea)	90-Start up Operation
NAS1149D0332J	Washer	70 Ea (70 ea)	90-Start up Operation
NAS43DD3-64	Spacer	1 Ea (1 ea)	90-Start up Operation
22208CM050016E	Screw	2 pcs (2 ea)	90-Start up Operation
23350CA050	Washer	2 Ea (2 ea)	90-Start up Operation
9945000160	Gasket	1 Ea (1 ea)	90-Start up Operation
D5526-1	Upper Hose Protector	1 Ea (1 ea)	90-Start up Operation
D5526-3	Lower Hose Protector	1 Ea (1 ea)	90-Start up Operation
LN9038-05016	Bolt	2 pcs (2 ea)	90-Start up Operation
BS4320-A5	Washer	56 Ea (56 ea)	110-Packaging
LN29985-A05	Anchor Nut	15 pcs (15 ea)	110-Packaging
LN9038-05018	Bolt	56 pcs (56 ea)	110-Packaging
MS20426AD3-3	Rivet	40 Ea (40 ea)	110-Packaging
QB21304	Pureair Panel Assembly	1 pcs (1 ea)	110-Packaging
QB21308	Fod Screen Assembly	1 pcs (1 ea)	110-Packaging
QB21310	Transition Duct Assembly	1 pcs (1 ea)	110-Packaging
QR10616	Vortex Tube Repair	1 pcs (1 ea)	110-Packaging
LN9038-05016	Bolt	2 pcs (2 ea)	110-Packaging

5111509
5111511
5111513
5111514
5111504
5111505
5111506
5111510

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	22208CM050016E	2	28	0
	23350CA050	2	38	0
	650.0401	1	10	0
	9752100180	1	12	0
	9945000120	1	18	0
	9945000160	1	3	0
	AN821-12J	2	33	0
	AN929-12J	1	20	0
	D4925-041	1	13	0
	D4931-1	1	20	0
	D4931-3	1	6	0
	D4931-5	1	6	0
	D4935-1	6	52	0
	D4943-1	1	21	0
	D4961-041	1	11	0
	D4961-043	1	0	0
	D5079-1	2	20	0
	D5090-041	1	13	0
	D5105-1	2	24	0
	D5110-1	1	20	0
	D5179-1	2	19	0
	D5179-3	2	34	0
	D5194-1	2	19	0
	D5208-041	3	32	0
	D5526-1	1	1	0
	D5526-3	1	0	0
	LN9038-05012	36	558	0
	LN9038-05016	2	50	0
	LN9038-05040	1	30	0
	LN9348-05	32	145	0
	MS20470AD3-4	18	6,641	0
	MS21919WCH12	1	15	0
	MS9592-138	1	21	0
	NAS1149D0332J	70	2,697	0
	NAS43DD3-64	1	20	0
110-Packaging	BS4320-A5	56	6	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

LN29985-A05	15	186	0
LN9038-05016	2	50	0
LN9038-05018	56	710	0
MS20426AD3-3	40	3,621	0
QB21304	1	0	0
QB21308	1	0	0
QB21310	1	1	0
QR10616	1	4	0

Part Specifications

Specifications could not be found.

Plex 8/29/18 7:00 AM Dart.lajeunesse.marie

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
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Description Work Order Deviation		Disposition		Completed By	
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Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER :			



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Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
005598	S112654	22208CM050016E	Screw	fm138012	ST577	2
005598	S112653	23350CA050	Washer	s013736	ST577	2
005598	S058019	650.0401	Pureair Fairing Assembly	S057996	FG105	1
005598	S112652	9752100180	Gasket	s104779	ST589	1
005598	S112651	9945000120	Gasket (for B3e models)	s104778	ST589	1
005598	S112650	9945000160	Gasket	s107210	ST589	1
005598	S112649	AN821-12J	Elbow (or AN821-12K or 12S)	s054890	ST324	2
005598	S112648	AN929-12J	Cap	s071349	ST322	1
005598	S112647	D4925-041	Mounting Plate Assembly	S067449	ST218	1
005598	S112646	D4931-1	Engine Fitting (for acft models B2 & previous)	S059439	ST127	1
005598	S112645	D4935-1	Mounting Bracket	S102849	ST128	6
005598	S112644	D4943-1	Flex Hose	S072110	ST220B	1
005598	S112643	D4961-041	Tube Assembly	S055404	ST129	1
005598	S112642	D4961-043	Tube Assembly	S110094	ST129	1
005598	S046377	D5079-1	Placard, Eaps	S046287 S046377	ST137	2
005598	S103785	D5090-041	Duct Assembly	S023006 S103785	ST222B	1
005598	S112641	D5105-1	Handle	S102962	ST141	2
005598	S044365	D5110-1	Swivel Nut Fitting	S044363	ST142	1
005598	S112635	D5179-1	Doubler	S048935	ST220	2
005598	S044969	D5179-3	Doubler	S044969 S044969	ST220	2
005598	S112634	D5194-1	Doubler	S104644	ST220	2
005598	S112632	D5208-041	Blanking Plate Assembly	S103842	ST147	3
005598	S112630	D5526-1	Upper Hose Protector	S109096	ST167	1
005598	S112628	D5526-3	Lower Hose Protector	S109112	ST167	1
005598	S112625	LN9038-05012	Bolt	s104059	ST565	36
005598	S112622	LN9038-05016	Bolt	fm132469	ST565	2
005598	S112620	LN9038-05040	Bolt	fm136260	ST565	1
005598	S112618	LN9348-05	Nut	s109951	ST565	32
005598	S112615	MS20470AD3-4	Rivet, Universal Head	fm136665-40	ST310	18
005598	S112612	MS21919WCH12	Clamp	s089243	ST291	1
005598	S112609	MS9592-138	Bracket	s014155	ST267	1
005598	S112604	NAS1149D0332J	Washer	s100407	ST264	70
005598	S112602	NAS43DD3-64	Spacer	s050057	ST550	1

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

D4931-5 S111729
D4931-3 S111570

Plex 9/22/18 10:47 AM dart.quirion.sonia

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
✓ 1**		QR10616	TUBE REPAIR KIT
✓ 1**		QB21304	PUREAIR PANEL ASSY
✓ 1**		QB21310	TRANSITION DUCT ASSY
✓ 1**		QB21308	FOD SCREEN ASSY
✓ 15**		LN29985-A05	ANCHOR NUT
✓ 56**		LN9038-05018	BOLT
✓ 56**		BS4320-A5	WASHER
✓ 40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1	1	D5526-1	HOSE PROTECTOR
1	1	D5526-3	HOSE PROTECTOR
2	2	23350CA050	LOCKING TAB
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
1*	1*	706A33-201-001	GASKET (OR 9945000160)
2	2	22208CM050016E	SCREW
2	2	AS1034J1212	ELBOW (OR AN821-12K OR AN821-12S OR AN821-12J)
1	1	AN929-12J	CAP
70	70	BS4320-A5	WASHER (OR NAS1149D0332J)
36	36	LN9038-05012	BOLT
2	2	LN9038-05016	BOLT
1	1	LN9038-05040	BOLT
32	32	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WCH12	CLAMP (OR MS21919WHG12)
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE